

AbstractMethod of generating a control program for a device for photorefractive corneal surgery of the eye

In a method of generating a control program, according to
5 which a laser-beam spot is guided, while being controlled
with respect to position and time, over a cornea to be
corrected photorefractively, so as to ablate a
predetermined ablation profile therefrom, the effect of the
angle between the laser beam and the corneal surface on the
10 energy density of the laser-beam spot incident on the
corneal surface and/or on the fraction of the laser-beam
energy incident on the corneal surface which is reflected
away, is taken into account when generating the control
program.

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Fig. 12